

Abstract

The invention relates to methods and products for regulating lectin complement pathway associated complement activation. The methods include both *in vitro* and *in vivo* methods for inhibiting lectin complement pathway associated complement activation. The 5 methods are accomplished by contacting a mammalian cell having surface exposed MBL ligand with an effective amount of a mannan binding lectin inhibitor to inhibit lectin complement pathway associated complement activation. The mannan binding lectin inhibitor may be administered to a subject to prevent cellular injury mediated by lectin complement pathway associated complement activation. The products of the invention 10 include compositions of a mannan binding lectin inhibitor. The mannan binding lectin inhibitor is an isolated mannan binding lectin binding peptide that selectively binds to a human mannan binding lectin epitope and that inhibits lectin complement pathway associated complement activation. The products also include hybridoma cell lines and pharmaceutical compositions.